



From The Prez

May Meeting – June Meeting

A small group of hardy souls turned an unseasonably cold spring evening into the club's first step in returning to normalcy by holding our May meeting at the Harriet Keeler Pavilion. We started the evening grilling burgers, brats, and a couple other undefined delicacies filling the air with that great summer aroma. We had the pleasure of meeting new member, Albert, KJ7PVO, and guest Zen, W8ZB. Matt Nickoson, KC8NZJ, ARES District 10 Emergency Coordinator gave a great presentation on Skywarn.

On June 8th we will again meet at the Harriet Keeler Pavilion with a fire for grilling available for everyone by about 6:30. Bob, K8RGI, will be doing a program preparing us for Field Day concentrating on the rules and operating tips.

Again, we will use Zoom for this meeting for those who choose not to attend in person.

The Harriet Keeler Picnic Area is located in the Brecksville Reservation of the Metroparks on Chippewa Creek Dr. off Rt. 82, east of Rt. 21. There is a map on the CARS website homepage.

With the opportunity to attend the meeting in person or via Zoom on the internet, there is little or no reason not to attend the May meeting. Hope to "see" you there.

Equipment Pool

I suggested at the April meeting we may consider putting together an equipment pool consisting of tools and equipment essential or helpful for radio related projects which may be too costly for members to justify the expense for a one time need that other members may have in their tool arsenal and would be willing to loan said tool or help another member use it for a specific project.

There were a few positive comments from the members who were in attendance, but no specific items were mentioned or offered. Recently a member offered his crimping tool that is capable of installing coax connectors, Anderson Power Poles, and various other common electrical terminals. I will add my air cannon that many of you have seen in action at Field Day that is the cat's meow for getting antenna ropes into high trees to the pool.

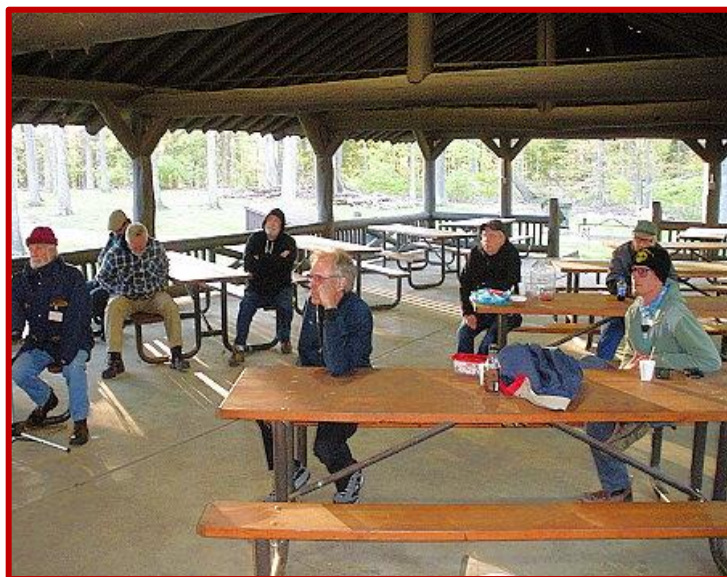
There are other pieces of equipment that would certainly be valuable contributions that you may have and would be willing to add. It is understandable owners of such equipment may be leery of loaning it out, but may be comfortable helping a fellow member complete a task by doing the job together.

If the idea takes off, and I really hope it does, we can make a list of people and equipment and put it on the website for easy access. This would really be a step up for our club.

Picnic

Our annual Summer Picnic is back on the schedule after a year's hiatus. We have already reserved the Kiwanis pavilion in Independence. The event is FREE to CARS members, their families, and friends. We've scheduled it for a Friday evening, which has proven to be the most popular day. The date will be July 30th, and we will start at 5:00 PM. Please see the attached flyer for more details and make your reservations soon.

73, Toby, WT8O



The members and guests needed to be warmly dressed for the May meeting at the Harriet Keeler Pavilion. They were rewarded with a great presentation by Matt, KC8NZJ, on Skywarn.

June Birthdays

Scott Smith, ACSNW	6/6/61
John Chesna, KCSWBH	6/10/55
Joe Ulazewski, KDSBAL	6/21/50
Kathy Hogan, KESMAH	6/22
Elsetra Scruggs, KESPEM	6/24/57
Lou Ignaczak, NSPZK	6/24
Jerry Kuhn, WSKDJ	6/30/73

**Minutes of the
CUYAHOGA AMATEUR RADIO SOCIETY
May 11, 2021 (Tuesday)**

LOCATION---The meeting was held in The Harriet Keeler Picnic Pavilion in the Brecksville Reservation of the Cleveland Metroparks. The meeting was also available via Zoom and on the club repeater.

CALLED TO ORDER---The meeting was called to order by President Toby Kolman, WT8O, at 7:30 PM.

PLEDGE OF ALLEGIANCE---Those present pledged allegiance to the flag of the United States of America.

INTRODUCTIONS---Those present, as well as those on Zoom and on the club repeater, introduced themselves.

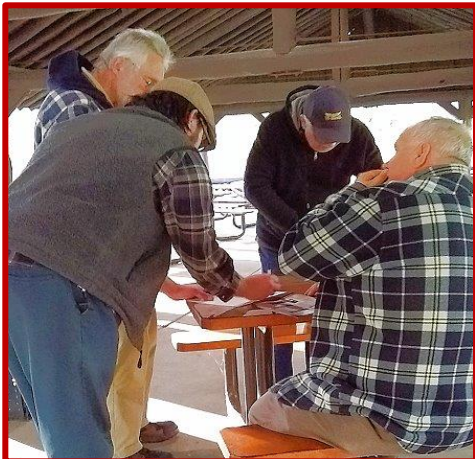
APRIL MINUTES---The April minutes were approved as published in the *Wobbly Oscillator*.

TREASURER'S REPORT---Bob Check, W8GC, reported that the club treasury was in good shape. Bob reported that former members were dropped due to non-payment of their 2021 dues.

PRESIDENT'S REPORT---Toby, WT8O:

- Toby reminded everyone that we have been asked to assist with the Seven Hills Memorial Day Parade. Anyone wishing to help should notify Toby. Volunteers will meet at St. Columbkille on Broadview Road at 9:00 am on Monday, May 31, 2021.
- Toby thanked those that contributed to the *Wobbly Oscillator*, particularly the pictures. Please send submissions for the *Wobbly Oscillator* to Toby.
- Toby thanked Shawn, KE8RMV, for providing coffee at the meeting.
- Toby suggested creating a tool and equipment pool for use by members. Toby would like comments on this idea.

VICE PRESIDENT'S REPORT---Mark Moro, WJ8WM, reported that the club will have a picnic on Friday, July 30, 2021 at 6:00 PM at the Kiwanis Pavilion in Independence.

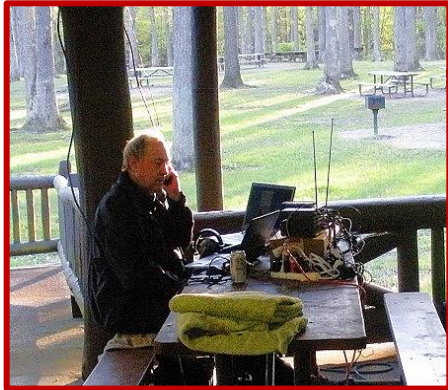


Members sign in and prepare for the meeting.

**Welcome New
Members**
Albert Luna, KJ7PVO
Richard Robbins, WA8RR

SECRETARY'S REPORT---Ed Stevens, WB8ROK, had nothing to report.

NEW MEMBER---A new member, Albert Luna, KJ7PVO, was voted into the club. He recently moved here from Washington State.



Our outstanding engineer Ron, K8RJH, gets the equipment up and running.



Ron's elaborate set up.

PUBLIC SERVICE---Mat Nickoson, KC8NZJ, reported on a number of upcoming public service events which are looking for volunteers. A complete list can be found on the Event Support Group website at www.n8esg.org. If interested in volunteering for an event, please contact Mat through the Event Support Group website. The following events were among those mentioned:

- June 26: Bike to the Bay
- July 22-25: The Pan Ohio Hope Ride
- August 7: Buckeye Breakaway
- September 19: Sunday in June Bike Ride (Move to September because of the pandemic.)
- September 26: The Cleveland Ham Fest
- Sometime in the fall: The Cleveland Marathon. The date is yet to be determined.

VE UPDATE---Metro, W8MET, reported that there were three new technicians, two upgrades to general, and one upgrade to extra on May 9, 2021. Thanks to George Pindroh, K8KR, Bob Check, W8GC, and the rest of the team for helping. The next CARS VE Session will be on Sunday, July 11, 2021. The location will be determined at a later date. *[The July VE session will be at the Masonic Lodge in Westlake, Ed.]*

PROGRAM COMMITTEE---Joe, KD8BAL, reported that next month's meeting will feature Bob, K8RGI, presenting on Field Day.

TECH COMMITTEE---Scott, AC8NW, reported that the repeater audio levels have been adjusted and that the echo has been removed from the repeater output. Toby, WT8O, commented that we have one of the finest operating repeaters in the area. Toby thanked Scott, AC8NW, and David, KD8ACO, for their efforts.

FIELD DAY---Bob, W8RGI, reported that the in-person Field Day has been canceled due to the pandemic. Field Day will be conducted from each member's home station. The club is using a digital scoring processor to make participation as easy as possible. Ron, K8RJH, will also accept email score submissions. A 2 meter channel will be available this year. All participants will receive a free t-shirt. There are four planning and preparation meetings scheduled. They will be on May 18th at 8:00 PM, June 8th at 7:30 PM, June 22nd at 8:00 PM, and on June 29th at 8:00 PM. Please let Bob know if you plan to participate.

NEXT MEETING---The next meeting of The Cuyahoga Amateur Radio Society will be on June 8, 2021. The meeting will once again be held in The Harriet Keeler Picnic Pavilion in the Brecksville Reservation of the Cleveland Metroparks. The meeting will be made available on Zoom.

50/50 Drawing---The 50/50 drawing was won by a guest, en Bartosik, W8ZB, who graciously donated his winnings back to the club.

ADJOURNMENT---The meeting was adjourned at 8:07 PM.

After the meeting, Mat Nickoson, KC8NZJ, gave a presentation on Skywarn.

Ed Stevens, WB8ROK
Secretary



*Shawn, KE8RMV,
brought his way
cool dog Obi.*

VE Session

The dedicated CARS VE team braved a cold and windy May morning Sunday the 9th, when they held the CARS VE Session outside in the Kiwanis Pavilion in Independence.

The session brought three new hams into the Amateur Radio Service. Kirk Kasten, KE8SCZ; Gary Straka, KE8SCY, and Charles Meyers, KE8SDA, passed their Technician exams becoming licensed amateurs. We welcome Kirk, Gary, George, Charles into the ham radio hobby. Charles also passed his General exam, upgrading at the same session.

Kirk Prochaska, KE8RMT, and Libby Kellat, KE8MPT, upgraded to General; and Christopher Egeland, KD8LCV, upgraded to Amateur Extra. Congratulations to all for a job well done.

Special thanks to our outstanding VE team, capably led by Metro, W8MET; and consisting of Gary, NI8Z; Roger, N8TCP; Linda, N8LRS; George, K8KR, and Bob, W8GC.

The next VE testing session will be held Sunday, March 14th, at 9:00 AM at the Masonic Lodge, 29500 Center Ridge Rd., Westlake, Ohio 44145. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net.

As always, walk-ins are welcome.

June Net Shed

June 2 AC8NW
June 9 KD8ACO
June 16 KC8ESG
June 23 WT8O
June 30 K8RJH

**Nets are run every Wednesday at
9:00 PM on:**

146.820 (PL 110.9)

443.825 (+) PL Tone 131.8
Digital Yaesu Fusion
Linked to 146.82 Repeater

EchoLink Node 343470 (K8ZFR-R)

Allstar Node 47067

Field Day 2021
Bob, K8RGI

Field Day is just over three weeks away. We have 20 people signed up to participate and contribute their scores to Cuyahoga ARS. For those of you who are already signed up, your T-shirts will be available at the June Meeting. If you want to join us, it is not too late. Contact me at robert@rjrobbins.net. You can track our scores on-line at <http://scores.hollas.info>.

Please note the following dates:

June 8th, 7:30 PM CARS meeting program will be on Field Day rules and operating tips.
This will be available on Zoom.

June 22nd, 8:00 PM Field Day Zoom meeting.
Subject: N3FJP program integration.
with fldigi and Wsjt-X programs.

June 24th, 8:00 PM Field Day Practice Session.
Practice frequency will be 7.060 MHz.
8:00 PM to 8:20 PM will be FT8.
8:20 PM to 8:40 PM will be PSK31.
8:40 PM to 9:00 PM will be CW.

June 26th, 2:00 PM to Field Day 2021
June 27th, 2:00PM

June 29th, 8:00 PM Field Day Zoom meeting.
Subject: Field Day log submittal.

Click here to enter Zoom meetings: [<ZOOM>](#)

If prompted, use the following Zoom Credentials for access:

Meeting ID: 986 8288 1890 Pass code: 922103

The 2 meter schedule for Field Day will use the 2 meter simplex calling frequency 146.52 MHz.

Schedule times are June 26th at 4:00 PM, 8:00pm,
June 27th at 12:00 midnight, 4:00 AM, 8:00 AM
and 12:00 noon.

If you have any questions, please contact me at:

robert@rjrobbins.net



CARS Repeaters

146.820 (-) PL Tone 110.9

Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

Allstar Node 47067

EchoLink Node 343470 (K8ZFR-R)

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.82 Repeater

Brecksville

444.75 (+) Receive PL Tone 131.8

449.75 Transmit

Stand-alone Not Linked

Shaker Hts.

Check your Station for Safe and Healthy Operation!

(And How to be compliant with the latest FCC Rules and Orders for RF Environmental Exposure.)

Ron, K8RJH

In Late 2019, the FCC issued a 159 page “Report and Order (FCC 19-126)” that updated the governing RF exposure standards for all radio services, which became effective on May 3, 2021. Note this announcement did not change the existing FCC RF exposure (RFE) limits that has been in place for over 25 years, but now require stations in all services, including amateur radio, be evaluated against existing limits, unless they are exempted. Below follows a simplified guide in understanding this new FCC 19-126 order and information to comply with these FCC rules.

For most amateur stations, the exemption to perform a full RFE evaluation can be maintained by simply using a formula based criteria consisting of transmitter power, frequency, and antenna gain as outlined in FCC OET Bulletin 65 to determine compliance with FCC RFE limits. It further outlines that within the next two years for all amateur radio stations be evaluated by at least the Bulletin 65 criteria to maintain an exempt status or verify that the station is within RFE compliance.

Additionally, after May 3, 2021 any new station, or any existing station modified in a way that is likely to change its RFE profile — such as a different antenna or placement or greater power — will now be required to conduct an evaluation by the actual date of “activation” or “change” at the station. Following FCC OET Bulletin 65 procedures will now satisfy the amateur radio RFE evaluation assuming the calculated station RFE results are within acceptable limits.

Licensed or upgraded operators may recall these regulations are covered in the amateur exam study:

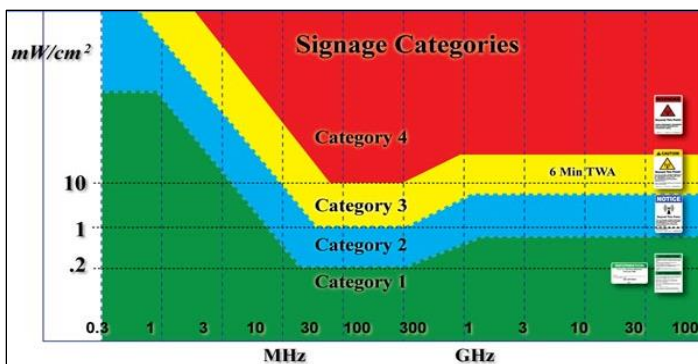
If an evaluation of your station shows radiated RF energy exceeds permissible limits, you must take action to prevent human exposure to the excessive RF fields.

And:

Stations transmitting more than 50 watts PEP at the antenna with VHF must conduct an RF exposure evaluation.

Knowledge of these FCC’s RF-exposure rules has long been required of examinees for all class levels of amateur licenses, and amateurs will be required to certify on their FCC Form 605 applications that they comply, and will comply, with the requirements of the FCC RF exposure rules.

It is highly recommended that the amateur station operator complete an RFE evaluation for their station at the first opportunity. This will not only identify if there are any RFE issues with your station design, but will give you direction on how to resolve them if any exist and be compliant with these new rules.



This is a graphical plot of the Power Density (Vertical Axis) by Frequency (Horizontal Axis) specified by FCC OET Bulletin 65. Most Amateur Stations will be operating in the Category 1 (Green) Zone. If a power density of Category 2 or Higher is calculated, additional steps will be required, such as signage and occupant distancing. Note that the most sensitive zone for this RF exposure (RFE) limits do include the popular VHF ham bands.

Simply, there are at least three (3) possible tracks to follow for making an RFE evaluation;

1. By calculation based on FCC OET Bulletin 65 (***Most practical solution for the Typical Amateur Station***), or
2. By calculation based on computer modeling (*Requires knowledge in antenna field theory, technical expertise and software modeling techniques for qualified results*), or
3. By measurement of field strength using calibrated equipment (*Most Expensive solution that requires Calibrated, Professional Use RF equipment.*)

RF Exposure Calculator		
Calculation Results		
Performed on: _____ By: _____		
Average Power at the Antenna	45 watts	
Antenna Gain in dBi	4.8 dBi	
Distance to the Area of Interest	4 metres 13.12 feet	
Frequency of Operation	146.520 MHz	
Are Ground Reflections Calculated?	Yes	
Estimated RF Power Density	0.1731 mW/cm ²	
	Controlled Environment	Uncontrolled Environment
Maximum Permissible Exposure (MPE)	1.01 mW/cm ²	0.21 mW/cm ²
Distance to Compliance From Centre of Antenna	1.68 metres 5.51 feet	3.74 metres 12.26 feet
Does the Area of Interest Appear to be in Compliance?	Yes	Yes

Interpretation of Results

1. The power value entered into these calculations should be the average power seen at the antenna and not Peak Envelope Power (PEP). You should also consider feedline loss in calculating your average power at the antenna.
2. If you wish to estimate the power density at a point below the main lobe of a directional antenna and if the antenna's vertical pattern is known, recalculate using the antenna's gain in the relevant direction.
3. Please also consult FCC OET Bulletin 65 Supplement B, the Amateur Radio supplement to FCC OET Bulletin 65. It contains a thorough discussion of the RF Safety regulations as they apply to amateur stations and contains numerous charts, tables, worksheets and other data to help determine station compliance.

Perform another computation

Most amateur will follow the first track using an online web tool. The FCC OET Bulletin 65 specifies the RFE formula criteria that is programmed in online tools for calculating the RFE values useful in amateur station evaluations. One can optionally down load spreadsheet programs for off-line evaluations if desired. Several links to these free online programs are included in the reference section following this article.

The calculation is really simple and intuitive. Input your operating band and transmitting antenna, include your transmitter output power by mode, feedline data (length and loss) and antenna gain. The RFE on-line calculators usually have additional notes and an FAQ section available should one have a question on entering this data. After entering the distance to the "Area of Interest", generally where any individual would reside during RF operation, will result the expected power density to the occupants location (as calculated by OET Bulletin 65) and will state if your station is compliance with the FCC RFE guidelines.

There may be a few amateur stations that will require mitigation or changes to bring their stations into compliance with these FCC operating rules. A useful reference is a free publication now available on the ARRL Web Site titled "RF Exposure and You", by Ed Hare, W1RFI.

This should be a good first start in certifying that your station is safe to operate and fully compliant with the established FCC RFE Guidelines.

Check your Station for "RFE" and have Safe Operating Fun this Summer!



Calibrated field strength measurement equipment can be quite expensive and unavailable to most amateurs. Usually it is not a practical solution. This equipment shown above is sourced from Nardia and is a calibrated EMI/RFI evaluation package designed to scan the RF environment from the power line frequencies, (50/60 Hz) through the Microwave/Millimeter spectrum. It is now very popular for checking out the new 5G carrier bands. Traditional Uses include EMI/RFI FCC compliance in Broadcast, Government, Schools, Medical and Industrial facilities.

For Additional Information / References;

FCC Report and Order – FCC 19-126

<https://docs.fcc.gov/public/attachments/FCC-19-126A1.pdf>

RF Exposure and You

<http://www.arrl.org/files/file/Technology/RFsafetyCommittee/RF+Exposure+and+You.pdf>

ARRL RF Safety Page (Latest News and information)

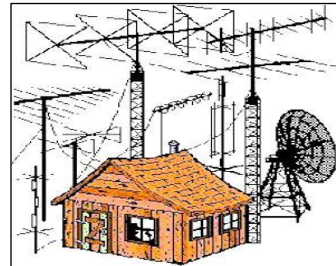
<http://www.arrl.org/rf-exposure>

RFE Calculators

<http://wp.me/a4wdj1-2aa>

http://hintlink.com/power_density.htm

<http://www.lakewashingtonhamclub.org/resources/rf-exposure-calculator/>



Evaluating your station for FCC OET Bulletin 65 compliance is not difficult.

Antenna Modeling

<https://www.eznec.com/demoinfo.htm>

A great resource on FCC OET Bulletin 65 RFE Limits is currently available at no cost on the ARRL Web Site (See Link Provided). This should be one of the first references for your review in performing a station RFE evaluation and can provide useful guidance if any non-compliance issues are observed.

RF EXPOSURE

and **YOU** by Ed Hare, W1RFI

- What are the FCC RF exposure regulations?
- How do they apply to my station?
- Is it hard to meet them?
- Do I have to prepare paperwork for the FCC?
- Do I have to lower my tower? Or raise it?
- Are there any restrictions on using my H-T?

CARS Team Shines at the Seven Hills Memorial Day Parade Toby, WT80

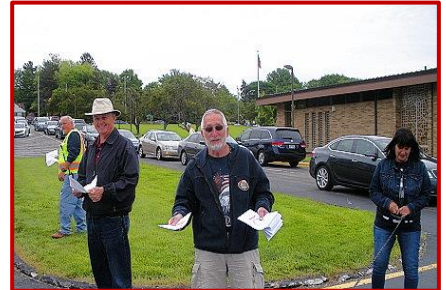
Hats off to Mark, WJ8WM; Albert, KJ7PVO; Bob, K8RGI; Metro, W8MET; Joe, KD8BAL; Scott, AC8NW; Shawn, KE8RMV; Linda, N8LRS; Ron, K8RJH; Eddie, KD8FTS; Bruno, W8BJS, and Arp, K8ARP, for teaming up and ensuring the Seven Hills Memorial Day parade went off without a hitch. The fine CARS group handled all the traffic, parking, and staging to near perfection.

Parade Director Nada Fleming was overjoyed with how well the event went, and thanked us exuberantly. She definitely wants us back next year.

The CARS team demonstrated what the Amateur Radio Service is all about.



*At left, 'da team:
Joe, KD8BAL
Bob, K8RJH
Shawn, KE8RMV
Scott, AC8NW
Eddie, KD8FTS
Albert, KJ7PVO
Mark, WJ8WM
Bruno, W8BJS
Arp, K8ARP, on
his trusty Vespa*



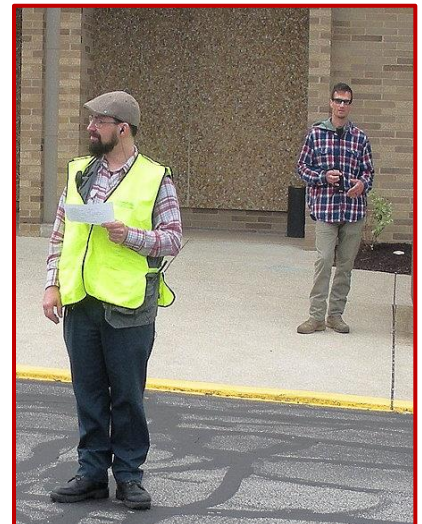
*Mark, WJ8WM; Bob, K8RGI; Metro, W8MET,
and Linda, N8LRS, direct incoming traffic.*



Arp, K8ARP, gets the cars moving.



*Bruno, W8BJS, and Joe, KD8BAL,
control traffic with authority.*



*It was good to see new members,
Shawn, KE8RMV, and Albert, KJ7PVO,
step up and join us.*



*As always, Scott,
AC8NW, did more
than his share.*

*Rick, KD8SCT,
CARS member
and former Seven
Hills mayor.*



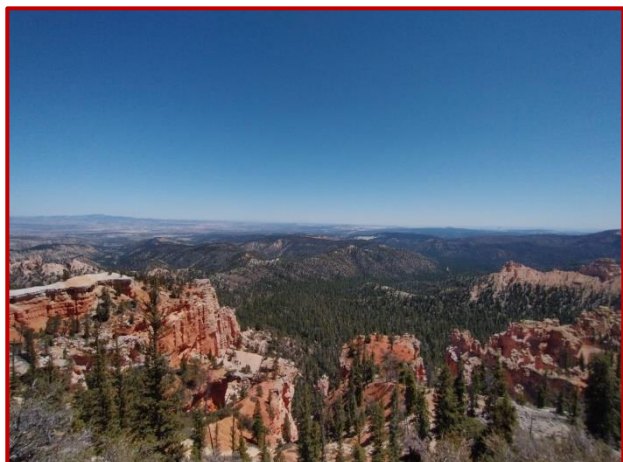
Rediscovering Travel in the U.S. Andy, KD8SCV

With the pandemic subsiding, my wife and I joined an increasing number of our fellow citizens in rediscovering the amazing beauty of our country.

For three weeks in May, our travels by auto took us to Missouri, Colorado, and Utah, as well as the states in between. From the top of Gateway Arch in St. Louis to the canyon depths of Zion National Park in Utah, we logged over 4700 miles on our trip.

Of course, I didn't forget about CARS and the weekly net. Thanks to EchoLink and its mobile phone app, I was able to check in on all three nets while we were away. And, I also had my HT and hotspot with me, so Ron Hollas, K8RJH and I enjoyed a few QSOs over the digital highway!

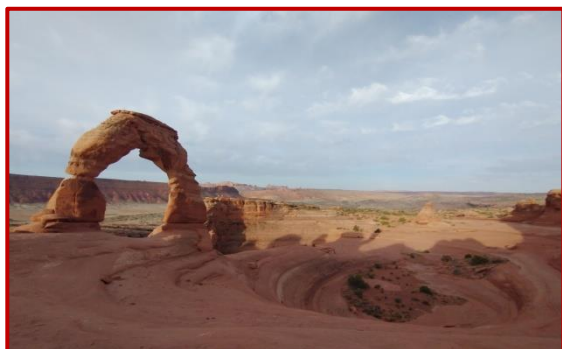
Although it's always good to return home, we've added to our store of memories and can reassure those of you who are considering similar treks, your country awaits you. Enjoy the photos!



Bryce Canyon National Park-Overview-Bryce Utah



Colorado National Monument1-Fruita Colorado



*Delicate Arch-2 Arches National Park
Moab Utah*



*Gateway Arch-Looking East Across
Mississippi River-St. Louis Missouri*



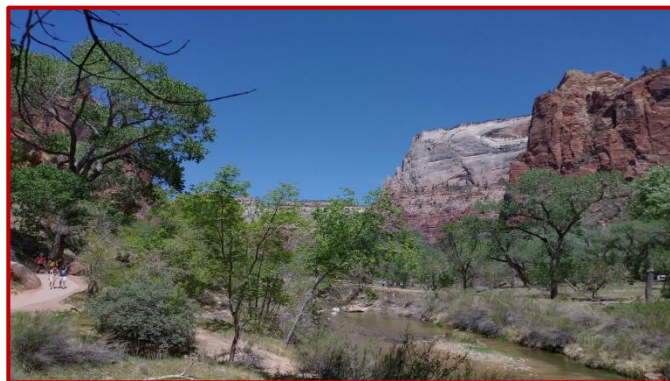
Grand Wash Capitol Reef National Park-Torrey Utah



Landscape Arch-Arches National Park-Moab Utah



North Window Arch-Arches National Park-Moab Utah



Zion National Park Emerald Pools Trail-Springdale Utah

Next CARS Meeting

Tuesday, June 8th - 7:30 PM
Harriet Keeler Picnic Area
Brecksville Reservation
Fire going at 6:30 PM

Also on Zoom

Bob, K8RGI, will get us ready
for Field Day

Honorary Members

Any person who by nature of outstanding or meritorious contribution to the furtherance of amateur radio and the ideals of the Cuyahoga Amateur Radio Society

Robert Check, W8GC

Elected 2/10/15

Thomas Wayne, WB8N

Elected 1/10/17

Dwaine Modock, K8ME, SK

Elected 5/9/17

Toby Kolman, WT8O

Elected 10/10/17

Jerry Smith, NW9H

Elected 5/8/18

Ron Borkey, K8VJG, SK

Elected 5/14/19

RadioSport

Contests

- June 12, 1800-June 14, 0259 **ARRL June VHF Contest** 50 and up CW Ph Dig www.arrl.org/june-vhf
Exchange: 4-char grid square
- June 19, 1800-2359 **ARRL Kids Day** 3.5-14, 18, 21, 24, 28, 144 repeaters Ph www.arrl.org/kids-day
Exchange: Name, age, QTH, favorite color
- June 26, 1800-June 27, 2059 **ARRL Field Day** All Bands (No WARC) CW Ph Dig www.arrl.org/field-day
Exchange: Number of xmtrs, operating class, ARRL/RAC section or "DX"

Special Events Stations

- June 3 - June 16, 1300-2200 **W2W** Baltimore, MD **D-Day Commemoration** 14.244 14.044 7.244 7.044
QSL and Certificate www.wv-2.us
- June 5 - June 6, 0001 - 2359 **NJ2BB** Camden, NJ **Museum Ships Weekend Event**
14.262 14.044 7.262 7.044 QSL nj2bb.org
- June 5 - June 6, 0000 - 2359 **N1S** Groton, CT **USS Nautilus- First Nuclear Submarine**
50.5 14.275 7.225 3.850 QSL www.ussnautilus.org
- June 7 - June 18, 0001 - 2359 **K4D** Dog Island, FL **Dog Island DXpedition** 40 through 6 meters,
SSB, CW, and digital; 50.130 28.310 21.285 14.260 10.110 7.188 www.qrz.com/dbk4d

State QSO Parties

- June 5, 1400 - June 6, 0200 **Kentucky QSO Party** 1.8 - 144 CW Ph Dig www.kyqsoparty.org/rules
Exchange: RS(T), Kentucky county or SPC (State, Province, DXCC Entity)
- June 19, 1600 - June 20, 0400 **West Virginia QSO Party** 3.5 - 28 CW Ph Dig www.qsl.net/wvsarc
Exchange: RS(T), WV county or SPC

Sampling from June, 2021 QST - Pg. 72, 84 and 85. See QST for many more events.

All times in GMT ZULU time.

The *Wobbly Oscillator* is a publication of the Cuyahoga Amateur Radio Society, P.O. Box 31264, Independence, Ohio, 44131-0264. Articles from this publication may be reprinted in any ham radio publication, provided that credit is given to this publication and the author, if known. All submissions should be emailed to: wt8o@att.net by the end of the month for publication in the next month's issue.

15th ANNUAL CARS PICNIC

SAVE THE DATE: We are back after missing 2020 because of the Covid-19 Pandemic. Friday July 30, 2021 will be the 2021 CARS annual picnic. We will again be in the **Kiwanis Pavilion** behind the Independence Civic Center. We will serve hamburgers, hotdogs, brats, potato salad, Cole slaw plus all the trimmings. Desserts are welcome, feel free to bring one!

There will be a check-in on 146.820 with prizes starting at 5:00pm. We will have several door prizes for the winners of our drawings.

The picnic is FREE to all CARS members, family & friends!
All we ask is you tell us how many will be coming on or before Monday July 26th. Arrive anytime after 5:00pm to start eating about 5:30pm and food will be served till 6:00 or a little later if needed.

Toby, WT8O will present a check to our 2021 Scholarship Award winner.

We need to know how many will be coming PLEASE Email your numbers to Mark, WJ8WM at: mmoro001@ameritech.net or call 216-661-0342 ASAP!

